

Name

What is Climate?

Climate vs Weather

Weather-

Climate-

Determined by:

Latitude

-

- Coldest:

- Warmest:

A. Solar Energy and latitude

- Latitude determines

- At the equator-

- At The poles-

B. Seasons and Latitudes

Season happen –

During our summer-

During our winter-

Prevailing Winds

Definition-

Affects-

From warm air-

From cold air-

Winds across land-

Winds across water-

Mountains

As elevation increases-

Two sides of a mountain

1. Wet Side

2. Dry Side

Large Bodies of Water

Water absorbs and releases heat-

Ocean Currents

Surface Currents-

Surface Temperature affects-

Warm Currents-

Cool Currents-

Climates of The World

Three major climates zones

- 1.

- 2.

- 3.

Each zone is divided into-

Different climates are due to -

Temperate and Polar Zone

Temperate Zone-

Latitudes in the temperate zone-

Biomes of the temperate zone

- 1.
- 2.
- 3.
- 4.

Similarities-

Differences-

Biome	Soil	Plant/Trees	Animals	Weather	Avg. Temperature	Avg. Precipitation

The Polar Zone-

****Have the coldest average temperature of all the climate zones**

Polar Biomes

- 1.
- 2.

Biome	Soil	Plant/Trees	Animals	Weather	Avg. Temperature	Avg. Precipitation

Permafrost-

Microclimate-

Cities

Reasons why it is a microclimate-

The Tropics

Tropical Zone-

Within the Zone there are three major biomes:

- 1.
- 2.
- 3.

Similarities:

Differences

Biome	Description	Temp. Range(F)	Avg. Yearly Precipitation	Soil

Tropical Rainforest

Animals

1. Number-
2. Residents include-

Soil

1. Bad Soil is a result of-

Tropical Savannas/Grasslands

Soil

1. Enriched soil is a result of-

Animals/Plants

1. Plant Adaptation Examples-

2. Animal Residents include-

Tropical Deserts

Caused by-

Animals

1. Residents include-

Soil

1. Poor soil is a result of-